

Improvement of Power Station Economy by Fuel
Drying, by N. M. Mikhaylov. UNCL

RUSSIAN, per, Teploenergetika, Vol IV, No 2, 1957,
pp 20-23.

DSIR LIU (loan) M.456

USSR
Econ
Sep59

95, 878

The Results of the Work of the Petroleum Industry
of USSR in Supplying Petroleum and Petroleum
Products for the National Economy in 1956 and the
Problems for 1957, by N. M. Mikhaylov,

RUSSIAN, no per, Neft Khoz, Mmb Vol XXXV, No 1,
1957, pp 18-24. *CIA 9014611*

Tech and Comm
\$60.00

50,989

USSR
Econ - Petroleum Industry
Aug 57

Optimal Transfer Processes in a System
With Forecasting, by N. N. Mikhaylov,
Zh. A. Novosel'tseva, 13 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, OTN, Tekh Kibernet,
No 1, 1964, pp 187-195.

JPRS 245376

Sci
May 64

257,710
/

The Equation and Certain Properties of an
Automatic Control System's Root Locus, by N. N.
Mikhailov, 8 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XX, No 8,
1959, pp 1095-1102.

Instru Soc of Amer

Sci

Apr 60

114,669

^R
Plotting of Root Loci of Automatic Control Systems,
by N. N. Mikhailov, 12 p.

RUSSIAN, per, Avtomat i Telemekh, Vol XIX, No 7,
1958, pp 661-673.

Instru Soc of Amer

Sci

Apr 60

III, 789

ATK-cable

N. N. Mikheylov

AF638769 ; F-TS-8422

Importance of Fertilizers in Increasing Yields and
Rubber Content in Roots of Kok-Sagyz, by N. N. Mikha^Ylov.

RUSSIAN, per, Sovet Agron, Vol X, No 4, Apr 1952,
pp 66-72. 20 So84

USDA Trans 306

USSR

Economic - Agriculture, rubber
Scientific - Biology, rubber

474

A7922

Mikhailov, N. P.
UPPER CRETACEOUS AMMONITES IN THE
SOUTHERN EUROPEAN PART OF THE U.S.S.R. AND
THEIR PLACE IN THE ZONAL STRATIGRAPHY
(Verkhnemelovye Ammonity Yuga Evropeiskoi Chasti
SSSR i ikh Znachenie dlya Zonal'noi Stratigrafii)
I. Mittin, tr. 1963 [111p]
Order from OTS, SLA, or BTC \$9.60 TT-64-15096

Partial trans. (excerpts) of [Akademiya Nauk SSSR].
Institut Geologicheskikh Nauk. Trudy, 1951,
no. 129, Geologicheskaya Seriya no. 50, p. 34-40,
44-54, 81-103.

(Earth Sciences--Geology, TT, v. 11, no. 11)

TT-64-15096

I. Mikhailov, N. P.
II. Geological Survey,
Denver, Colo.

155002

Office of Technical Services

Vibration-Fluctuation and some of its Properties.
by V. A. Golovinskiy, N. V. Mikhailov.
RUSSIAN, per. ENGLISH, Vol 12, 1964, pp 410-411. 57
*121

21-1000
Apr 65

Obtaining Polymers by the Method of Interphasal
Condensation, by N.V. Mikhaylov, V.I. Mayberoda.

10 pp.

RUSSIAN, per, Khimicheskiye Volokna, No 2, 1968,

pp 19-22. #100011966

FTU-TT-65-1898

N.V. Mikhaylov

Sci/Chemistry

Sep 66

509,352

Structural and Mechanical Properties of
Water Paints, by B. M. Yabko, H. V. Mikhailov,
6 pp.

RUSSIAN, per, Kolloidnyi Zhurnal, Vol XXV, No 2,
Mar, Apr, 1963, pp 260-268.

CB

Sci
Aug 64

264,603

Mikhailov, N. V., Tokarev, L. G., Buravchenko, K. K., Terekhova, G. M., and Kirpichnikov, P. A.
ON THE QUESTION OF STABILIZATION OF
POLYETHYLENE TEREPHTHALATE MELTS.
[1963] 12p (figs tables formulae omitted)
Order from OTS, SLA, or ETC \$1.60 TT-63-20478

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1962, v. 4, no. 8, p. 1186-1192.
Other translations are available from ATS \$13.25 as
ATS-84Q68R [1963] 9p; OTS or SLA \$2.60 as
TT-63-18292 [1963] [21]p.

DESCRIPTORS: *Fibers, (Synthetic), *Polyester
plastics, Ethylenes, *Phthalates, Pyrolysis,
Viscosity, Phosphites, Physical properties, Mechan-
ical properties, Stability.

For abstract see Technical Translations 10:1106, 1963.
(Materials--Textiles, TT, v. 11, no. 3)

TT-63-20478

- I. Title: Polyethylene terephthalate
- I. Mikhailov, N. V.
- II. Tokareva, L. G.
- III. Buravchenko, K. K.
- IV. Terekhova, G. M.
- V. Kirpichnikov, P. A.

Office of Technical Services

The Main Trends of Scientific and Technical
Development of the Chemical Fiber Industry in the
Light of the Decisions of the 22nd Party Congress,
by N. V. Mikhaylov, 8 pp.

RUSSIAN, por, Khimicheskiye Volokna, No 3, 1962,
pp 8-9.

JPRS 15856

216,749

USSR
Econ
Nov 62

Mikhailov, N. V., Tokareva, L. G. and others.

THE PROBLEM OF STABILIZING POLY(ETHYLENE
TEREPHTHALATE) MELTS. [1963] 9p.

Order from ATS \$13.25

ATS-84Q68R

Trans. of Vysokomolekul[yarnye] Soedin[eniya] (USSR)
1962, v. 4, no. 8, p. 1186-1192.

DESCRIPTORS: *Polyethylene plastics, Stability,
Phthalates.

(Materials--Plastics, TT, v. 10, no. 6)

63-17461

I. Title: Polyethylene
terephthalate

I. Mikhailov, N. V.

II. Tokareva, L. G.

III. ATS-84Q68R

IV. Associated Technical
Services, Inc.,
East Orange, N. J.

1244613

Office of Technical Services

Techniques of Obtaining and Evaluating the IR-
Spectra of Fibres in Polarised Light, by N. V.
Mikhailov, M. V. Shablygin,

RUSSIAN, par, Vysokomolekulyarnye Soedineniya,
Vol. IV, No 8, 1962, pp 1155k-1162.

M HL M 1001k

Sci - Phys
May 63

229,345

Thermochemical Criteria of Plasticized
Dropting, by E. Z. Fainberg, N. V. Mikhailov.
RUSSIAN, per, ~~Thermochemical Criteria of Plasticized~~
Vol 3, No 8, 1961, pp 1234-1237.
SEA TT-66-10657.

N. V. Mikhailov

Sci-MNH
Jul 66

305,109

Mikhaylov, N. V., Gorbacheva, V. O. and others.
INVESTIGATION OF THE STRUCTURE OF POLY-
AMIDES PREPARED BY INTERFACIAL POLYCONDEN-
SATION. [1960] 5p.
Order from ATS \$6.65

ATS-88M45R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 8, p. 1283-1286.

(Chemistry--Organic, TT, v. 5, no. 2)

61-12081

1. Amide polymers--
Molecular structure
2. Condensation reactions
 - I. Mikhaylov, N. V.
 - II. Gorbacheva, V. O.
 - III. ATS-88M45R
 - IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Preparation and Some Properties of Lyophobic
Colloidal Forms of Fiber-Forming Polymers, by
M. V. Mikhailov, V. I. Maiboroda, S. S. Nikolayeva,
6 pp.

RUSSIAN, per, Kolloid Zhur, Vol XXII, No 2, 1950,
pp 223-228.

CB

Sci

May 61

153, 317

A Study of the Mechanism of Ageing in Synthetic
Fibres. 1. A Study of the Thermal and
Thermo-Oxidative Action of Polyamides and Their
Fibres, by N. V. Mikhailov, et al. 4 pp.

RUSSIAN, per, Vysokomol. Soedineniya, Vol II,
1960, pp 501-509.

TIL/T5240

188, 945

Sci - Chem

Mar 62

Structural and Mechanical Properties of Bitumens
Oxidized by Different Methods, by A. I. Ivanov,
W. V. Mikhailov, 10 pp.

RUSSIAN, per, Kolloid Zhur, Vol XXII, No 2, 1960,
pp 176 185.

CB

Sci

May 61

153,312

Some Laws Governing Inter-phase Polycondensation of
the Chlorides of Dicarboxylic Acids and Ex Diamines
During Fibre Spinning, by N. V. Mikhailov.

RUSSIAN, bk, Mezhdunarodnyi Simpozium po
Makromolekulyarnoi Khim Doklady i Avtorsferaty,
Moscow, Sep 1, 1960, pp 237-244.

NIL H 10003

Sci - Chem
May 63

232, 018

Kinetic Study of Interfacial Polycondensation by
Electrical Conductivity Measurements, by Ye. Z.
Faynberg, N. V. Mikhaylov, 5 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol II, No 7, 1960, pp 1039-1044.

ATS-0845R

203,218

Sci.

Jun 62

Investigation of the Fine Molecular Structure
of Oriented Regenerated Cellulose Fibres
by H. V. Mikhailov.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol II, No 7, 1960, pp 1031-1038.

MLL RRS 2114

Sai - Nuc Phys
Mar 63

223,617

61-10236

Mikhaylov, N. V., Bukov, G. A. and others.

INVESTIGATIONS OF THE MECHANISM BY WHICH SYNTHETIC FIBERS ARE FORMED FROM THE MELT: METHODOLOGY OF THE INVESTIGATION AND SOME DATA ON POLYAMIDE AND POLYESTER FIBERS. July 60 [9]p. 4 refs.

Order from LC or SLA mi\$1.80, ph\$1.80 61-10236

Trans. of Khimicheskiy Volokna (USSR) 1959, no. 1, p. [33]-36.

Another translation is available from ATS \$10.90 as ATS-78M42R [1959] 7p.

The hardening process of polyamides and polyesters at the moment of fiber formation was investigated by the method of direct measurement of the thread diameter and of birefringence. The hardening of polyamides and polyesters in a thin stream upon formation of the fiber from the melt is expressed by a complex curve with a non-linear dependence of the change in the magnitude of the fiber diameter on the height of the chimney. The (Materials--Textiles, TT, v. 3, no. 3) (over)

1. Synthetic fibers--
Production
2. Title: Melt-spinning
- I. Mikhaylov, N. V.
- II. Bukov, G. A.
- III. Title: Methodology...

Office of Technical Services

Mikhailov, N. V. and Fainberg, E. Z.

STUDIES ON THE MOLECULAR STRUCTURE OF
SYNTHETIC FIBERS. XV. THERMOCHEMICAL
PROPERTIES OF THE POLYAMIDE SERIES: POLY-
CAPRAMIDE TO POLYUNDECANAMIDE. [1961] [8]p.
7 refs.

Order from OTS or SLA \$1.10

61-20637

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1959, v. : [no. 2] p. 201-207.

DESCRIPTORS: *Synthetic fibers, Materials, *Amides,
Properties, Thermodynamics, Polymers, Heat of
solution, Phase transitions, Methanes, Ethylenes,
Polymers, Molecular structure, Thermochemistry,
Fibers

A comparative study was made of the thermodynamic
properties of the polymers of the polyamide series:
polycapramide to polyundecanamide. On the basis of
(Materials--Textiles, TT, v. 7, no. 5) (over)

61-20637

I. Mikhailov, N. V.
II. Fainberg, E. Z.
III. Title: Thermochemical ...

194911

Office of Technical Services

Study of the Molecular Structure of Synthetic
Fibers. XIV. Physicochemical and Physiomechanical
Properties of Polyamides in the Polycaproamide-
Polyundecanamide Series, by N. V. Mikhailov,

RUSSIAN, per, Vysokomol Soedineniya, Vol. I,
No 2, 1959, pp 185-190.

ATS RJ-2118

Sci - Chem

May 60

115,405

Mikhailov, N. V., Fainberg, E. Z., and
Gorbacheva, V. O.

A STUDY OF THE MOLECULAR STRUCTURE OF
STEREOREGULAR POLYMERS. I. ISOTACTIC
POLYPROPYLENE. 9 May 62 [14]p.
Order from OTS or SLA \$1.60

63-10781

Trans. of Vysokomol[ekulyarnye] Soed[ineniya] (USSR)
1959, v. 1, no. 1, p. 143-148.

DESCRIPTORS: *Polyethylene plastics, *Propenes,
Polymers, Physical properties, Chemical properties,
Molecular structure, X-ray diffraction analysis,
Calorimetry, Viscosity, *Plasticizers, *Heptanes.

This paper gives the results of the study of the physico-
chemical properties of isotactic polypropylene on the
basis of X-ray investigations, data of heat capacity and
viscosity of the dilute solutions.
(Materials--Plastics, TT, v. 10, no. 1)

63-10781

I. Mikhailov, N. V.
II. Fainberg, E. Z.
III. Gorbacheva, V. O.
IV. Title: Isotactic...

1269065

Office of Technical Services

Mikhailov, N. V., Tokareva, L. G., and Painberg, E. Z.

ON THE COMPATIBILITY AND MECHANISM OF STABILIZATION OF FIBER-FORMING POLYMER MIXTURES. 2 Nov 62 [14p. 10 refs. Order from OTS or SLA \$1.60

63-10836

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 3, p. 404-409.

DESCRIPTORS: *Polymers, *Plastics, Fibers (Synthetic), Compatibility, Stabilization, Chemical bonds, Acetyl radicals, Cellulose compounds, *Vinyl chlorides, Nitrocellulose, Chlorination, Heat of solution.

The compatibility of the polymers diacetyl cellulose-chlorinated polyvinyl chloride and nitrocellulose-chlorinated polyvinyl chloride was investigated. The (Materials--Plastics, TT, v. 9, no. 12) (over)

63-10836

I. Mikhailov, N. V.
II. Tokareva, L. G.
III. Painberg, E. Z.

6340212

Office of Technical Services

Effect of an Active Filler and a Solvent on the
Structural and Mechanical Properties of Bitumens,
by S. Ya. Shalyt, N. V. Mikhailov, E. A. Melnikov,
6 pp.

RUSSIAN, per, Kolloid Zhur, Vol XIX, No 2, 1977,
pp 244-251.

Consultants Bureau

Sci - Chem

Jan 59

79,429

Investigation of the Structure of ~~Some~~ Synthetic
Polyamide Fibers. 6. Integral Heat of Solution
of Capron Fiber in Formic Acid, by N. V. Mikhailov,
E. Z. Fainberg, 6 pp. *A*

Full tr

RUSSIAN, bimo per, Kolloid Zhur, Vol XVIII, No 1,
1956, pp 44-48. CIA 9000405

Consultants Bureau

Sci - Chemistry
Sep 56 CTS

38,686

Investigation of the Structure of Synthetic Polyamide
Fibers. 7. Differential Heat of Solution of Capron
Fibers in Formic Acid, by N. V. Mikhailov, E. Z.
Fainberg, 6 pp.

K

RUSSIAN, bimo per, Kolloid Zhur, Vol XVIII, No 2,
Mar/Apr 1956, pp 208-214. CIA 9001313 C, Reel No 55

Consultants Bureau

Sci - Chemistry

40,981

Dependence of the Flow Curves and Viscosity
Characteristics of Bitumens on the Temperature, by
S. Ya Shalyt, N. V Mikhailov, 6 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVIII, No 5,
Sep/Oct 1956, pp 609-614.

Consultants Bureau

Sci - Chemistry
Sep 57

52,854

Study of the Kinetics and Mechanism of the Thermal
Decomposition of Chlorinated Vinyl Polymers. 2.
Results for Polyvinylidene Chloride, Vinylidene
Chloride-Vinyl Chloride Copolymer, and Chlorinated
Polyvinyl Chloride, by L. G. Tokareva, N. V. Mikhailov,
V. S. Klimenkov, 6 pp.

RUSSIAN, bimo per, Kolloid ^{Zhur} ~~Zhur~~, Vol XVIII, No 5,
Sep/Oct 1956, pp 597-603.

Consultants Bureau

Sci - Chemistry
Sep 57

52,852

Nature of the Structure Formation in and Properties of
Concentrated Viscose Solutions, by N. V. Mikhailov,
N. N. Zavylova, 9 pp.

RUSSIAN, no per, Zhur Prikl Khim, Vol XXIX, No 1,
1956, pp 97-104. CIA C 43286

Consultants Bureau

Sci - Chemistry

37,028

Aug 1956

Investigation of the Structure and Properties
of Carbon-Chain Polymers in Dilute Solutions.

1. Solutions of Polyvinyl Chloride and Poly-
acrylonitrile, by N. V. Mikhailov, S. G.
Zelikman, 8 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVIII,
No 6, 1956, pp 717-723.

Consultants Bureau

Sci - Chem

57,186

Jan 58

Investigation of the Complete Rheological Curves and
a Formula for the Calculation of the Effective Vis-
cosity of Structurized Liquids with a Molecular-
Kinetic Interpretation of the Component Terms, by
N. V. Mikhailov, A. M. Likhtgeim, 14 pp.

Full translation

RUSSIAN, bimo per, Kolloid Zhur, Vol XVII, No 5,
Sept/Oct 1955, pp 364-378. CIA C 41473

Consultants Bureau

Scientific - Chemistry
Apr 56 CTS/dex

32,864

The Flow and Strength of Structurized Liquids, by
N. V. Mikha^llov, 8 pp.

RUSSIAN, per, Kolloid^d Zhur, Vol XVII, No 1,
Jan-Feb 1955, pp 68-75. CIA D 151334

Consultants Bureau

Scientific - Chemistry Jun 55 CTS/DEX

24,444

The Structural-Mechanical Properties of Disperse
and High Molecular Systems, N. V. Mikhailov, ~~et al~~
P. A. Rebinder, ~~et al~~ 10 pp

Full translation.

RUSSIAN, bimo per, Kolloid Zhur BSSR, Vol XVII,
No 2, Mar/Apr 1955, pp 107-119. *CIA D157362*

Consultants Bureau

Scientific - Chemistry

Aug 55 CTS/DEX

25,723

Elastic-Plastic Properties of Petroleum Bitumens, by
N. V. Mikhaylov, 4 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVII, No 3,
May-Jun 1955, pp 242-246. CIA C 39499

Consultants Bureau

Scientific - Chemistry
Nov 55 CRS/DEX

28,865

Mikhaylov, N. V. and Klesman, V. O.
THE PHASE STATE OF POLYACRYLONITRILE
FIBRE AND ITS STRUCTURAL CHANGES ON
ORIENTATION, tr. by I. Gawronska. 27 Apr 60, 4p.
5 refs. Courtaulds Misc. Lit. 3144; [DSIR LLU] M1838.
Order from LC or SLA mi\$1.80, ph\$1.80 61-13162

Trans. of Vsesoyuz[noye] Khim[icheskoye] Obshchestvo
Soobshcheniya [o] Nauch[nykh] Rabot[akh] Chlenov
(USSR) 1955, no. 3, p. 43-45.

The assumption that polyacrylonitrile fibre is amor-
phous in the isotropic and in the highly oriented state,
was supported by X-ray measurements and by differen-
tial thermal analysis.

(Materials--Textiles, TT, v. 5, no. 12)

61-13162

1. Synthetic fibers--Phase studies
2. Synthetic fibers--X-ray analysis
 - I. Mikhaylov, N. V.
 - II. Klesman, V. O.
 - III. Courtaulds ML-3144
 - IV. DSIR LLU M.1838
 - V. Courtaulds Ltd. (Gt. Brit.)

Office of Technical Services

Investigation of the Structure of Synthetic Polyamide
Fibers. III. Differential Heats of Sorption of
Water by Capron Fiber, by N. V. Mikhaylov, E. Z.
Fainberg, 5 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVI, No 2, USSR,
Mar/Apr 1954, pp 120-125. EK CIA D 167133

Consultants Bureau

USSR

Scientific - Chemistry

21,147

CIA 65/Feb, 1955

Investigation of the Structure of Synthetic Polyamides.
IV. X-Ray Data on Structural Transformations, by
N. V. Mikhaylov, V. O. Klesman, 4 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVI, No 3, USSR,
May/Jun 1954, pp 191-195. CIA D 167134

Consultants Bureau

USSR

Investigation of the Structure of Synthetic Polyamides. V. Thermographic Data on Structural Transformations in Synthetic Polyamides, by N. V. Mikhaylov, V. O. Klesman, 6 pp.

Full translation.

RUSSIAN, bim per, Kolloid Zhur, Vol XVI, No 4, 1954, pp 272-279. CIA D 151244

Consultants Bureau

Scientific - Physics

Apr 55 cts

22,586

Investigation of the Structural-Mechanical
Properties of Concentrated Aqueous Suspensions of
Cement in the Setting Process, by. E. E. Kalaykova,
N. V. Mikhaylov, 6 pp.

Full translation.

RUSSIAN, bim per, Kolloid Zhur, Vol XVI, No 5,
1954, pp 350-357. CIA D 151245

Consultants Bureau

Scientific - Physics

Apr 55 CTS

22,600

A. New Methods of Modifying Artificial and
Synthetic Fibers, by Z. V. Ukhanova, V. S.
Klimenkov, E. A. Kurilchikov, N. V. Mikhaylov;
B. The Relation Between Artificial Silk and the
Staple Fiber, by V. A. Usenkov, 15 pp.
UNCLASSIFIED

RUSSIAN, per, Tekstil Prom, No 9, Sep 1954,
pp 11, 12-16.

G-2, GEUSA G-4445

24,018
USSR
Economic

May 55 CTS/DEX

Investigation of the Physical Structure of
Synthetic Polyamides by Infrared Absorption
Spectra, by D. N. Shigorin, N. V. Mikhaylov,
S. P. Makar'eva, 11 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV,
No 4, 1954, pp 717-720.

CIA/FDD/X-1609

22,837

Scientific - Chemistry Apr 55 CTS

Investigation of the Structure of Synthetic Polyamide
Fibers. II. Integral Heats of Wetting of Capron Fiber
by Water, by S. M. Skuratov, N. V. Mikheylov, E. Z.
Fainberg, 8 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVI, No 1, 1954,
pp 65-72. 58-64.

Consultants Bureau

Scientific - Chemistry

Dec 1954 CMB

19,766

Elastic Weakening of a System on Application
of Pulsating Stresses, by N. V. Mikhailov,
3 pp.

^{thrice}
RUSSIAN, ^{Amo} per, Dok Ak Nauk SSSR, Vol XCIX,
No 5, 1954, pp 749-751.

SHA 60-57151 Sci Mus Lib 55/1797

29,571

Sci - Physics

~~Nuclear Physics~~

OSIR LLUM.336 (can)

On Two Structural Modifications of Synthetic
Polyamides in a Solid State, by N. V. Mikhaylov,
V. O. Klesman, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCI,
No 1, 1953, pp 99-102. C I A D 197050

Sci Tr Center RT-2837

Scientific - Chemistry
Jan 56 CTS/dex

30,207

Abstract of
Compatibility of Polymers in Solution and in the
Condensed Phase, by N. V. Mikhailov, S. V. Ukhanova,
T. I. Karetina, N. B. Pokrovskaya

All-Union Synthetic Fiber Research Institute

CIA/FDD X-2731

Abstract of
Thermodynamic Studies of the Molecular Structure of
Synthetic Polyamides, by N. V. Mikhailov, V. Z.
Feinberg, V. O. Gorbacheva, V. N. Topchibasheva,
T. I. Schein

All-Union Synthetic Fiber Research Institute

CIA/FDD X-2731

61-20637

Mikhailov, N. V. and Fainberg, E. Z.
STUDIES ON THE MOLECULAR STRUCTURE OF
SYNTHETIC FIBERS. XV. THERMOCHEMICAL
PROPERTIES OF THE POLYAMIDE SERIES: POLY-
CAPRAMIDE TO POLYUNDECANAMIDE. [1961] [8]p.
7 refs.
Order from OTS or SLA \$1.10

61-20637

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1959, v. 1 [no. 2] p. 201-207.

DESCRIPTORS: *Synthetic fibers, Materials, *Amides,
Properties, Thermodynamics, Polymers, Heat of
solution, Phase transitions, Methanes, Ethylenes,
Polymers, Molecular structure, Thermochemistry,
Fibers

A comparative study was made of the thermodynamic
properties of the polymers of the polyamide series:
polycapranide to polyundecanamide. On the basis of
(Materials--Textiles, TT, v. 7, no. 5) (over)

I. Mikhailov, N. V.
II. Fainberg, E. Z.
III. Title: Thermochemical ...

194911

Office of Technical Services

Investigation of the Structure of Polyamide
Fibers. I. Sorption of Water by Capron Fiber,
by H. V. Mikhailov, E. Z. Fainberg, S. M.
Skuratov, 5 pp

RUSSIAN, bimo per, Kolloid Zhur, Vol XV, No 4,
1953, pp 271-276.

Consultants Bureau

Scientific - Chemistry CTS/DEX

17,574

Investigation of the Physical Structure of
Synthetic Polyamides by the Method of Vibration
Spectra, by N. V. Mikhaylov, D. N. Shigorin, S. P.
M. Makar'eva, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXXVII, No 6, 1952, pp 1009-1012.

Nat. Resour. Lit. TT-565
CIA/DD/X-1366

Scientific - Chemistry
can. for

12,750

Investigation of the Structure of Synthetic Polycaprolactam Fibers, & Heats of Solution of the Crystalline and Amorphous Modifications of Polycaprolactam, by N. V. Mikhailov, S. Z. Fainberg, 6 pp.

Full tr

RUSSIAN, bino per, Kolloid Zhur, Vol XVIII, No 3, 1956, pp 315-320.

Consultants Bureau

Sci - Chemistry
Jan 57 CIB

42,246

New Data on the Kinetics of Viscose Ripening,
by M. V. Mikhailov, V. I. Maiboroda, V. A. Kargin,
10 pp.

Full translation.

RT-2815

RUSSIAN, per, Kolloid Zhur, Vol XIV, No 1, Jan -
Feb 1952, pp 57-64.

Consultants Bureau
152 West 42 Street
New York 18, N.Y.

Scientific - Chemistry Aug 53 CTS/DEX

4541

Investigation of the Structure and Properties
of Carbon Chain Polymers in Dilute Solutions.

3. Mixtures of Polyvinyl Chloride and Polyacrylonitrile, by N. V. Mikhailov, S. G. Zelikman, 6 pp.

RUSSIAN, per, Kolloid Zhur, Vol XIX, No 4, 1957,
pp 465-477.

Consultants Bureau

Sci - Chem

Jan 59

79,464

Investigation of the Structure and Properties of Carbon
Chain Polymers in Dilute Solutions. 2. Solutions of
Vinyl Chloride - Acrylonitrile Copolymer, S. G. Zelitsman,
N. V. Mikhailov, 67
6 pp.

RUSSIAN, per, Kolloid Zhur, Vol XIX, No 1, 1957,
pp 35-40.

Consultants Bureau

Sci - Chem

Jan 59

79,397

Study of the Kinetics and Mechanism of the Thermal
Decomposition of Chlorinated Vinyl Polymers, I.
Methods and Results for Polyvinyl Chloride, by
N. V. Mikhailov, L. G. Tokareva, V. S. Klimenkov,
6 pp.

RUSSIAN, bim per, Kolloid Zhur, Vol XVIII, No 5,
Sep/Oct 1956, pp 578-582.

Consultants Bureau

Sci - Chemistry
Sep 57

52,844

The Effect of Vibration on the Structural and Mechanical Properties of Asphalt Concrete Regarded as a Thixotropic Colloidal System, by S. K. Moskov, N. V. Mikhailov, 6 pp.

RUSSIAN, bimo per Kolloid Zhur, Vol XVIII, No 4, Jul/Aug 1957, pp 461-467.

Consultants Bureau

Sci - Physics
Jun 1957

48, 386

Study of the Chemical Stability and Structure Formation of Concentrated Viscose Solutions at Elevated Temperatures, by N. V. Mikhaylov, N. N. Zavyalova, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, No 1, 1957, pp 136-141.

Consultants Bureau

Sci - Chem

Jun 58

65,273

The Structure of Copolymers and Polyamide Melts, by
N. V. Mikhailov, V. O. Klesman, 6 pp.

RUSSIAN, ~~HEX~~ bino per, Kolloid Zhur, Vol XVIII, No 4,
Jul/Aug 1957, pp 456-460. CIA 9048217

Consultants Bureau

Sci - Physics
Jun 1957

48,385

71
Preparation of Polymers by Interfacial
Condensation. by N. V. Mikhailov,

V. I. Maiboroda.

RUSSIAN, per, Khimicheskiye Volokna,
No 2, 1963, pp 19-22.

*FTD-TT-65-1889

N. V. Mikhailov

Sci-

Dec 65

Light Resistance of Polypropylene and Propylene-
Gase Fibers, by L. G. Tolmova, N. V. Mikhaylov,
7 pp.

RUSSIAN, per, ~~Index~~ No 3, 1962, pp 21-22.
9097427

FTD-TT-68-21

Sci - Phys
Aug 68

123
N. V. Mikhaylov

284,394

Experimental Investigation of the Limiting Load
Carrying Capacity of Thin Nickel Tubes With
Various Loading Paths by a Tensile Force,
Torsional Moment, and Internal Pressure, by N. Ya.
Mikhailov, Yu. I. Yagn, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV, No 3,
1960, pp 545-548.

AIP
Sov Phys - Dok
Vol V, No 6

Sci
Jun 61

158, #06

Mikhailov, O. N.
CALCULATION OF THE NATURAL FREQUENCIES
OF VIBRATION OF ARRAYS OF STEAM-TURBINE
BLADING (K Raschetu Chastot Sobstvennykh Kolebani
Paketov Lopatok Parovykh Turbin). July 61 [10]p.
5 refs. RTS 1869.
Order from OTS or SLA \$1.10 61-27300

Trans. of Energomashinostroenie (USSR) 1960 [v. 6]
no. 8, p. 22-26.

DESCRIPTORS: *Steam turbine blades, Vibration,
Mathematical analysis, Turbine blades.

A new method is proposed for calculating the natural
frequencies of vibration of 1st and 2nd modes for
arrays of steam turbine blading. Compared with the
existing method of calculation with the same number of
integration portions, calculation with the same number
(Machinery--Engines, TT, v. 6, no. 10) (over)

61-27300

- I. Mikhailov, O. N.
- II. RTS-1869
- III. Department of Scientific and
Industrial Research
(Gt. Brit.)

Office of Technical Services

(NY-7063)

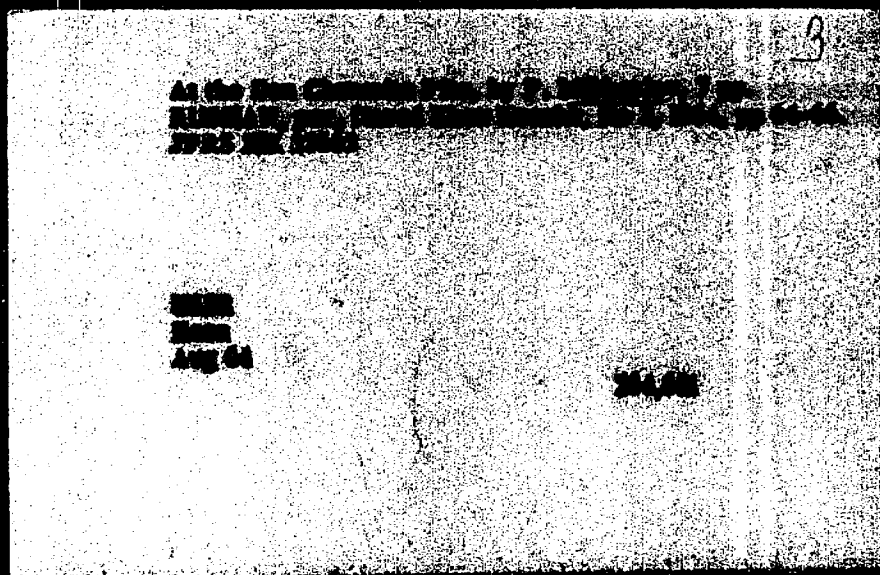
COLD AGGLUTININS AND CRYOGLOBULINS IN DERMATOSES
ASSOCIATED WITH THE EFFECTS OF COLD, BY P.
MINHAYLOV, N. BEROVA, 8 PP.

RUSSIAN, PER, VESTNIK DERMATOLOG I VENEROLOG,
VOL XXXV, NO 3, 1962, PP 14-19.

JPRS 14119

SIC - MED
JUN 62

199,907



(FDD 26300)

The New Cell Theory, by L. N. Zhinkin, P.
Mikhaylov, 15 pp.

RUSSIAN, qu per, Arkhiva Anatomi Gistologii
i Embriologii, Vol XXII, No 2, Leningrad/Moscow,
1955, pp 66-71.

CIA/FDD U-8111

34,800

USSR

Sci - Biology, microbiology

Apr 56

Mikhalev, P. F. and Vol'fon, S. I.
CORROSION BY HYDROGEN SULFIDE AT HIGH
TEMPERATURES [Korroziya Serovodородom pri
Vysokikh Temperaturakh]. [1962] [12]p. 4 refs.
Order from OHS or SLA \$1.60 62-14420

Trans. of Neftyanoe Khozyaystvo (USSR) 1938, v. 19,
no. 7, p. 26-30
Also available from SLA as RT-3454.

DESCRIPTORS: Hydrogen compounds, Sulfides,
Corrosion, High temperature research.

(Unclassified)

62-14420

I. Mikhalev, P. F.
II. Vol'fon, S. I.

0221888

Office of Technical Services

Pressure Distribution in a Vortex Combustion
Chamber, by P. M. Mikhaylov, A. N. Shyn,
3 pp.

129
Moscow, per, Trudy Inst Politekh, No 232,
1964, pp 42-46. TFS002843
FTB-TT-63-1712

P. M. Mikhaylov

Sci - Prop G Fuels
acc 65

314,190

43
Cause and Prevention of Bends During
Decompression, by V. A. Avoryanov,
P. M. Mikheylov, 6 pp.
RUSSIAN, per, Glasnost Trud, No 18, 1962,
pp 26-30, 9227098
ACRIL/64/412

Ref - Engr
Apr 65

P. M. Mikheylov

277,186

Regarding Ionization Processes in Pores of Ceramic
Dielectrics, by I. E. Balygin, P. S. Mikhailov,
7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 8,
1958, pp 1684-1691.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol III, No 8

Sci - Phys
Mar 59

83,503

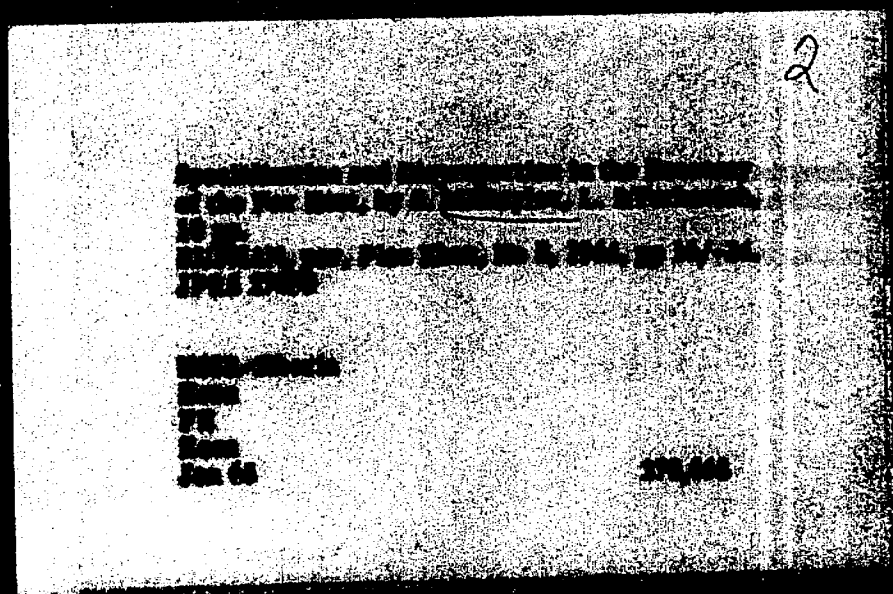
AN IMPORTANT PROBLEM PERTAINING TO TECHNICAL
PROGRESS IN BULGARIAN RAILROAD TRANSPORTATION,
BY PETKO MIKHAYLOV, KHRISTO ENIKOV, 10 PP.

BULGARIAN, PER, NOVO VREME, VOL XXXVIII, NO 8,
~~XX~~ 1962, PP 52-58.

JPRS 15351

EEUR - BULGARIA
ECON
OCT 62

212,177



On the Net Cost and Profitableness in the Fish
Industry of the Kamchatka Basin, by S. Mikhailov.

RUSSIAN, per, Rybnoye Khoz, Vol XXI, No 9, 1954,
pp 19-23.

Dept of Interior
SE211 E82 No 447

USSR
Econ
Mar 63

225, 227

(NY-5100)

The TG-102 Locomotive Should Give
Faultless Operation, by S. Mikhaylov,
E. Klusevich, M. Shagalov, et al, 3 pp.

RUSSIAN, np, Gudok, 15 Aug 1961.

JPRS 11122

USSR
Econ
Dec 61

176,350

(FDD 20084)

Ways of Expanding the Fish Industry, by
S. Mikhaylov, 29 pp.

RUSSIAN, bimo per, Plan Khoz, No 4, Moscow,
Jul/Aug 1953, pp 67-69.

CIA/FDD/U-5726

USSR

Econ -

12,411

CTS/DEX

A Struggling Continent, by V. Vermolayev,
S. Mikhaylov, 6 pp.

RUSSIAN, per, Kommunist, No 17, Nov 1962,
pp 124-126.

ACBI I-8275
ID 2224768

LA - South American
Pol
Mar 63

225, 3/6

(SF-1881/7)

A Major Economic Problem, by S. Mikhaylov, 10 pp.

RUSSIAN, per, Voprosy Ekon, No 3, 1961, pp 59-67.

JPRS 4424

USSR

Econ

Aug 61

163,808

Fractures during Impact Fatigue Loading, by
S.I. Mikhaylov, Yu.A. Denisov, 3 pp.

RUSSIAN, per Zavod Lab, Vol XXVII, No 2, 1961
3 pp.

ISA

198,361

SC1

MAY 62

The Strengths of Welded Joints in Repeated Impact
Conditions, by S. I. Mikhailov, Yu. A. Denisov,
5 pp.

RUSSIAN, per, Avtomat Svarka, No 3, 1961, pp 42-47.

HWRA

Sci

Mar 62

188, 116

Gas Sampling Device for Gas Analyzers of Types
GED-49 and GEUK-21, by NI E. I. Itskovich,
A. V. Loshchinokaya, S. P. Mikhailov, 4 pp.

RUSSIAN, per, Tsement, No 3, 1956, pp 17-19.

Consultants Bureau

Sci - Engr

Oct 58

75, 520

H. L. Phipps's *Children of the Sun* and *Children of the Moon*
Reviewed by H. L. Phipps, H. L. Phipps, 11 pp.

REVIEWED, per, H. L. Phipps, Feb 1944, No 2, 1944,
pp 144-145.

NOV 13-14-43

End - H. L. Phipps
Feb 44

100,105

(SF-2257)

THE STUDY OF LATIN AMERICA IN THE SOVIET UNION,
BY S. S. NIKOLAYEV, 13 PP.

RUSSIAN, PER, VOPROSY ISTORI, NO 4, 1962,
PP 98-106.

JPRS 13980

USSR
POL
JUN 62

197,740

EDUCATING THE NEW MAN, BY ST. BERNARDIN, 16 PP.

BELGIAN, PER, NEWS WEEK, 1971, NO 2, PP 963,
PP 91-93

JUN 1971

LEON-BELGIAN

PER,
MAY 61

JUN 1971

Economic Structure of the Soviet Fishing
Industry, by S. V. Mikhailov. 163 p.
RUSSIAN, mono, Ekonomika Rybnoi Promyshlennosti
SSSR, 1962,
RLA AD-627 880

S. V. Mikhailov

USSR
Econ
Jul 66

307,568

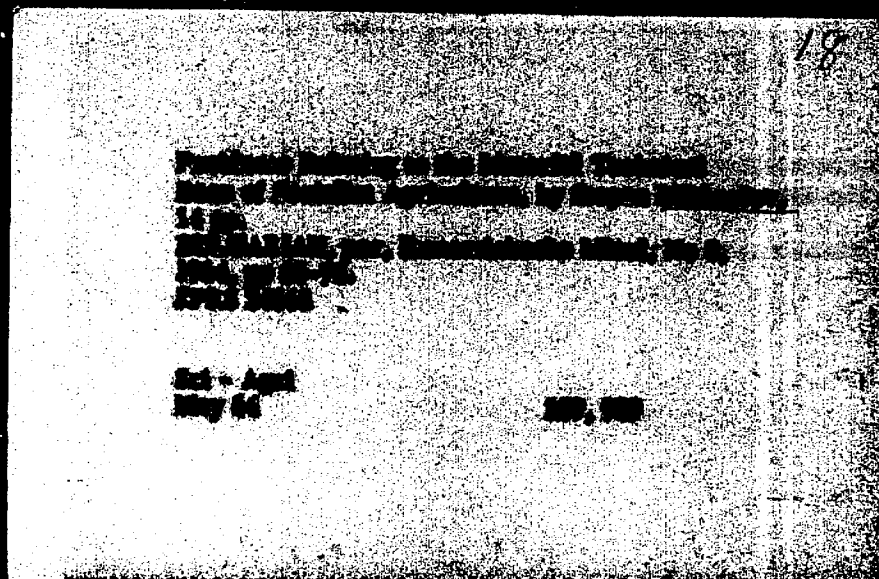
On the Comparative Efficiency of the Production of
Some Products of the Land and Sea, by S. V. Mikhailov,
12 pp.

RUSSIAN, per, Okeanologiya, Vol II, No 3, 1962,
pp 385-392.

Dept of Interior
SH211 E82 No 446

USSR
Econ
Mar 63

225,228



FEATURES OF THE HISTORY OF THE REGION, BY
STEFAN WINTERFELD, 15 PP.

BRASILEIA, PPT, FILADUNIA 1961, NO 1, 1963,
PP 15-21.

JUN 1970

ST-BRASILEIA

PPT.

PPY 63

231.40

The Categories of Possibility and Reality and Their
Practical Significance in the Struggle Toward
Socialism, by Stoyan Mikhaylov, 17 pp.

BULGARIA, no por, Novo Vreme, Vol XXXIII, No 12,
Dec 57, pp 51-63.

US JPRS/DC-19
CSO DC-50/2

59,285

EEur - Bulbaria

Pol

Mar 58

II R-261/63

From the Valley of the Sandanska Bistritsa River
to Pirin, by Tsvetko Mikhaylov. II-7763 848

BULGARIAN, per, Geografiya, Vol XII, No 10, №
1962, pp 10-13.

EE-Bulgaria
Geog
EG Aug 63

JPRS/NY 7763

Special

(FDD 27699)

Losses in Northern Bulgaria, by T. Mikheylov,
6 pp.

BULGARIAN, no par, Geografika, Vol V, No 5,
Sofia, 1955, pp 6-8.

CIA/FDD U-8782

EEur - Bulgaria
Geographic
Scientific - Geophysics
Oct 56

39,809

(FDD 28644)

The Razlog Hollow (Bulgaria), by T. Mikhaylov,
8 pp.

BULGARIAN, no per, Geografiya, Vol VI, No 4,
Sofia, Apr 1956, pp 7-10.

CIA/FDD U-9122

EDur - Bulgaria

Geo

Oct 56 CTS

40, 7/8